Table CT8. Electric Power Sector Consumption Estimates, Selected Years, 1960-2016, Arizona

Year	Coal	Natural Gas [a]	Petroleum				Nuclear Electric Power	Hydroelectric Power [d]	Biomass	Geothermal [f]	Solar [f,g]	Wind [f]	Net Electricity Imports [h]	Total [f,i]
			Distillate Fuel Oil [b]	Petroleum Coke	Residual Fuel Oil [c]	Total			Wood and Waste [e,f]					
	Thousand Short Tons	Billion Cubic Feet	Thousand Barrels				Million Kilowatthours			Million Kilowatthours				
1960	0	53	3	0	41	44	0	2,990	– –	0	NA	NA	-15	– –
1965	333	37	3	0	44	47	0	4,439	– –	0	NA	NA	-29	– –
1970	401	59	1	0	19	20	0	6,141	– –	0	NA	NA	-51	– –
1975	4,259	18	1,653	0	5,756	7,410	0	7,240	– –	0	NA	NA	-14	– –
1980	10,916	50	436	0	1,185	1,622	0	9,820	– –	0	NA	NA	-41	– –
1985	14,448	42	211	0	145	357	1,130	13,972	– –	0	0	0	0	– –
1990	15,758	24	200	0	10	210	20,598	7,418	– –	0	0	0	-2	– –
1995	16,021	22	107	0	12	119	26,985	8,288	– –	0	0	0	336	– –
1996	16,118	23	101	0	23	124	28,840	9,214	– –	0	0	0	-3	– –
1997	17,504	27	110	0	(s)	110	29,314	12,049	– –	0	0	0	115	– –
1998	18,316	42	117	0	0	117	30,301	10,970	– –	0	0	0	4	– –
1999	19,025	55	75	0	12	88	30,416	9,759	– –	0	0	0	0	– –
2000	20,408	96	357	0	46	402	30,381	8,354	– –	0	0	0	47	– –
2001	20,158	129	435	0	225	660	28,724	7,624	– –	0	(s)	0	55	– –
2002	19,328	145	100	0	0	100	30,862	7,427	– –	0	(s)	0	14	– –
2003	19,378	170	96	0	0	96	28,581	7,075	– –	0	(s)	0	-16	– –
2004	20,060	240	83	0	7	90	28,113	6,973	– –	0	4	0	78	– –
2005	20,333	217	78	0	1	78	25,807	6,410	– –	0	14	0	-80	– –
2006	20,506	248	131	0	1	132	24,012	6,793	– –	0	13	0	-182	– –
2007	21,189	280	85	0	0	85	26,782	6,598	– –	0	9	0	3	– –
2008	22,658	284	89	0	0	89	29,250	7,286	– –	0	15	0	-263	– –
2009	20,762	262	104	0	0	104	30,662	6,427	– –	0	14	30	-231	– –
2010	23,084	224	117	0	0	117	31,200	6,622	– –	0	16	135	69	– –
2011	23,217	181	96	0	0	96	31,278	9,174	– –	0	81	256	427	– –
2012	21,461	229	76	0	0	76	31,934	6,717	– –	0	951	532	17	– –
2013	23,298	223	81	0	0	81	31,431	5,915	– –	0	2,092	450	7	– –
2014	22,911	206	108	0	0	108	32,321	6,118	– –	0	3,118	468	48	– –
2015	19,812	248	92	0	0	92	32,526	6,536	– –	0	3,435	452	17	– –
2016	16,639	255	98	0	0	98	32,377	7,168	– –	0	3,742	542	130	– –
							Trillion Btu							
1960	0.0	55.1	(s)	0.0	0.3	0.3	0.0	32.2	0.2	0.0	NA	NA	-0.1	87.7
1965	6.9	39.5	(s)	0.0	0.3	0.3	0.0	46.4	0.0	0.0	NA	NA	-0.1	93.1
1970	8.5	62.4	(s)	0.0	0.1	0.1	0.0	64.4	0.0	0.0	NA	NA	-0.2	135.3
1975	89.8	18.9	9.6	0.0	36.2	45.8	0.0	75.3	0.0	0.0	NA	NA	(s)	229.9
1980	231.9	52.5	2.5	0.0	7.5	10.0	0.0	102.0	0.0	0.0	NA	NA	-0.1	396.3
1985	303.2	44.2	1.2	0.0	0.9	2.1	12.0	146.0	0.0	0.0	0.0	0.0	0.0	507.5
1990	330.2	25.0	1.2	0.0	0.1	1.2	218.0	77.2	0.0	0.0	0.0	0.0	(s)	651.5
1995	329.7	22.7	0.6	0.0	0.1	0.7	283.5	85.5	0.0	0.0	0.0	0.0	1.1	723.2
1996	329.5	22.9	0.6	0.0	0.1	0.7	302.9	95.3	0.0	0.0	0.0	0.0	(s)	751.3
1997	356.2	27.1	0.6	0.0	(s)	0.6	307.6	123.1	0.0	0.0	0.0	0.0	0.4	814.9
1998	373.3	42.9	0.7	0.0	0.0	0.7	317.9	111.9	0.0	0.0	0.0	0.0	(s)	846.6
1999	390.1	55.4	0.4	0.0	0.1	0.5	317.8	99.8	0.0	0.0	0.0	0.0	0.0	863.6
2000	416.9	97.4	2.1	0.0	0.3	2.4	316.8	85.2	0.0	0.0	0.0	0.0	0.2	918.9
2001	409.3	132.0	2.5	0.0	1.4	3.9	300.0	78.8	0.3	0.0	(s)	0.0	0.2	924.5
2002	392.5	148.0	0.6	0.0	0.0	0.6	322.3	75.6	0.4	0.0	(s)	0.0	(s)	939.3
2003	391.3	171.6	0.6	0.0	0.0	0.6	297.9	71.6	0.3	0.0	(s)	0.0	-0.1	933.2
2004	409.2	245.1	0.5	0.0	(s)	0.5	293.2	69.8	0.4	0.0	(s)	0.0	0.3	1,018.5
2005	412.5	222.8	0.5	0.0	(s)	0.5	269.3	64.1	0.6	0.0	0.1	0.0	-0.3	969.7
2006	415.7	253.2	0.8	0.0	(s)	0.8	250.6	67.4	0.5	0.0	0.1	0.0	-0.6	987.6
2007	423.2	286.3	0.5	0.0	0.0	0.5	280.9	65.2	0.2	0.0	0.1	0.0	(s)	1,056.4
2008	445.8	291.6	0.5	0.0	0.0	0.5	305.7	71.8	1.7	0.0	0.1	0.0	-0.9	1,116.4
2009	404.5	267.7	0.6	0.0	0.0	0.6	320.7	62.7	1.7	0.0	0.1	0.3	-0.8	1,057.6
2010	447.1	227.9	0.7	0.0	0.0	0.7	326.1	64.6	2.0	0.0	0.2	1.3	0.2	1,070.2
2011	449.9	183.9	0.6	0.0	0.0	0.6	327.3	89.1	2.4	0.0	0.8	2.5	1.5	1,057.9
2012	411.9	233.7	0.4	0.0	0.0	0.4	334.6	63.9	2.8	0.0	9.0	5.1	0.1	1,061.5
2013	450.5	228.4	0.5	0.0	0.0	0.5	328.4	56.4	2.5	0.0	20.0	4.3	(s)	1,091.0
2014	442.7	211.6	0.6	0.0	0.0	0.6	338.0	58.2	3.6	0.0	29.7	4.5	0.2	1,089.0
2015	380.4	257.9	0.5	0.0	0.0	0.5	340.2	60.9	3.9	0.0	32.0	4.2	0.1	1,080.0
2016	319.8	264.5	0.6	0.0	0.0	0.6	338.6	66.2	3.9	0.0	34.5	5.0	0.4	1,033.5

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Prior to 1980, based on oil used in internal combustion and gas turbine engine plants. For 1980 through 2000, distillate fuel oil includes fuel oil Nos. 1 and 2, and small amounts of kerosene and jet fuel.
[c] Prior to 1980, based on oil used in steam plants. For 1980 through 2000, residual fuel oil includes fuel oil Nos. 4, 5, and 6.
[d] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[e] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Solar thermal and photovoltaic energy.
[h] Electricity traded with Canada and Mexico. Btu value calculated by converting net imports in kilowatthours by 3,412 Btu per kilowatthour.
[i] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than +0.5 and greater than -0.5 or Btu value less than +0.05 and greater than -0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The electric power sector comprises electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. • Through 1988, data are for electric utilities only. Beginning in 1989, data include independent power producers. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at https://www.eia.gov/state/seds/seds-data-complete.php.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.